Family traits of chronic disease and the missing heritability link. The Malmö Offspring Study (MOS)

https://neurodegenerationresearch.eu/survey/family-traits-of-chronic-disease-and-the-missing-heritability-link-the-malmo-offspring-study-mos/

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Title of project or programme

Family traits of chronic disease and the missing heritability link. The Malmö Offspring Study (MOS)

Source of funding information

Swedish Research Council

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€ 707,291

Start date of award

01-01-2014

Total duration of award in years

5.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords
Research Abstract
The general aim of the study is to map new factors of importance for family traits of chronic disease (diabetes, CVD, COPD, cancer, dementia) in offspring of parents participating in the

Malmö Diet Cancer-Cardiovascular (MDC-CV) cohort. These risk factors will include genetics, epigenetics, biomarkers, vascular imaging, family and medical history, lifestyle and social aspects, as well as a 4-day dietary intake registration and also faeces sampling for genetic evaluation of gut bacteria composition (microbiota). A second aim is to link factors in the parents (generation 1) to adverse risk factors, vascular changes, cognitive function and prognosis in the offspring (generations 2 and 3), but also to do the reverse when risk factors in offspring are linked to phenotypes and genotypes in generation 1. A third aim is to use the national Multi-generation register to evaluate the family burden of chronic disease, based on data not only in parents and children but also in siblings and other close relatives. The offspring cohort represents in itself a new cohort for future follow-up. We plan to invite all offspring to index subjects (generation 1, all with full GWAS analysed in 2013) participating in the MDC-CV cohort at baseline (n= 6100) after identification based on official register information (NAVET). We have obtained ethical permission and have started a pilot study in 500 subjects during 2013, aiming for the full-scale study in 2014-2018 with almost 5000 participants.

Lay Summary
Further information available at:

Types:
Investments > €500k

Member States:
Sweden

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Alzheimer's disease & other dementias

Years:
2016

Database Categories:
N/A

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N/A